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MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

P30A -SINGLE SERIES

Jameco Part Number 213583 (P30A-1P2J)

.FULL RANGE AC INPUT
.COMPACT SIZE, LIGHT WEIGHT
.FULLY ENCLOSED PLASTIC CASE
.100% FULL LOAD BURN-IN TEST
.LED INDICATE FOR POWER ON
.MTBF:500000HRS BY MIL-HDBK-217F, NOTICE 2, PARTS COUNT
.SHORT CIRCUIT PROTECTED
.OVER LOAD PROTECTION
.OVER TEMP. PROTECTED
.OVER VOLTAGE PROTECTED
.APPROVALS:UL/CUL/TUV/CB/CE

TYPE NO. / SPECIFICATION	P30A-0yyy	P30A-1yyy	P30A-1-1yyy	P30A-2yyy	P30A-3yyy	P30A-4yyy	P30A-5yyy	P30A-6yyy	P30A-8yyy
SAFETY MODEL NO.	PSU30A-0	PSU30A-1	PSU30A-1-1	PSU30A-2	PSU30A-3	PSU30A-4	PSU30A-5	PSU30A-6	PSU30A-8
DC OUTPUT VOLTAGE	3.3V	5V	7.5V	9V	12V	15V	18V	24V	48V
OUTPUT V. TOLERANCE	±5%	±5%	±5%	±5%	±3%	±3%	±3%	±3%	±2%
OUTPUT RATED CURRENT	3.63A	4A	3.06A	2.89A	2.25A	1.80A	1.50A	1.12A	0.56A
OUTPUT CURRENT RANGE	0-3.63A	0-4A	0-3.06A	0-2.89A	0-2.25A	0-1.80A	0-1.50A	0-1.12A	0-0.56A
RIPPLE & NOISE (p-p)	50mV	50mV	80mV	80mV	80mV	100mV	100mV	150mV	150mV
LINE REGULATION	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
LOAD REGULATION	±5%	±5%	±5%	±5%	±3%	±3%	±3%	±3%	±2%
DC OUTPUT POWER	12W	20W	23W	26W	27W	27W	27W	27W	27W
EFFICIENCY	65%	70%	72%	74%	75%	78%	78%	80%	82%
DC VOLTAGE ADJ.	FIXED								
INPUT VOLTAGE RANGE	90~264VAC 47~63Hz								
AC CURRENT	1A/230VAC								
AC INPUT CONNECTOR	IEC320-C14, 3PIN INLET								
INRUSH CURRENT	COLD START < 60A PEAK @ 240VAC								
LEAKAGE CURRENT	<0.35mA@240VAC								
OVERLOAD PROTECTION	PULSING MODE, RESET:AUTO RECOVERY								
OVER VOLTAGE PROTECTION	110%~140%								
OVER TEMP. PROTECTION	IC1 Tj 135°C TYPICALLY POWER SHUTDOWN								
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)								
SETUP, RISE, HOLD UP TIME	200ms, 50ms, 16ms								
VIBRATION	10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES								
WITHSTAND VOLTAGE	I/P-O/P:3KVAC, I/P-FG:1.5KVAC FOR 1min.								
ISOLATION RESISTANCE	I/P-O/P, I/P-FG:500VDC / 100M Ohms min.								
WORKING TEMP., HUMIDITY	0°C~+30°C @ 100%LOAD, 40°C @ 70% LOAD, 20%~90% RH								
STORAGE TEMP., HUMIDITY	-20°C~+85°C, 10%~95% RH								
DIMENSION	108*67*36mm (L*W*H)								
WEIGHT; Q'TY/CARTON	0.3Kgs; 54PCS/CARTON								
SAFETY STANDARDS	UL1950, CSA22.2, EN60950 APPROVAL								
EMC STANDARDS	EN55022 CLASS B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,11,ENV50204 VERIFICATION								
LENGTH OF OUTPUT CABLE	180cm OF SPT-1, 18AWG*2C								
PLUG OF DC OUTPUT	STANDARD PLUG P2J:2.1¢*5.5¢*11mm, CENTER POSITIVE yyy:TO BE DEFINED BY OUTPUT CABLE AND CONNECTOR								

NOTE :
1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2.TOLERANCE GINCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5.LOAD REGULATION IS MEASURED FROM 0% TO 100% RATED LOAD.

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